

### ABSTRACT

The present invention is directed to a technique that includes the steps of bringing a sample solution containing an extended nucleotide into contact with the front face membrane having  $H^+$ -pyrophosphatase, which penetrates from front to back of the membrane, such that the  $H^+$ -pyrophosphatase hydrolyzes the pyrophosphate produced by the extension reaction and then measuring the difference in the  $H^+$  concentration on the front face side of the membrane and on the back face side of the membrane.